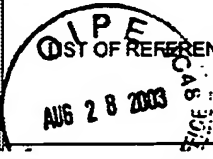
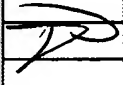
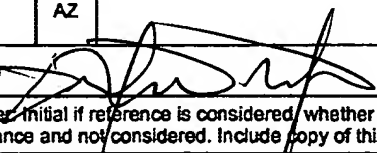


Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 217671US3		SERIAL NO. 10/032,067	
<div style="text-align: center;">  </div>				APPLICANT Hiroshi HATA, et al.			
				FILING DATE December 31, 2001		GROUP 3681	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
					YES	NO	
	AO	JP 47-31773	08-15-1972	Japan	X		
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)		
	AW	
	AX	
	AY	
	AZ	

Examiner: 	<div style="text-align: center;"> DIRK WRIGHT PRIMARY EXAMINER </div>
<input type="checkbox"/> Additional References sheet(s) attached	
Date Considered 12/4/03	

*Examiner Initial if reference is considered whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.